

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of: **Mamoru NAKASUJI et al.**

Group Art Unit: **Unassigned**

Serial Number: **10/731,163**

Examiner: **Unassigned**

Filed: **December 10, 2003**

For: **AN ELECTRON BEAM APPARATUS AND A DEVICE MANUFACTURING METHOD BY USING SAID ELECTRON BEAM APPARATUS**

Attorney Docket No.: **032154**

Customer No.: **38834**

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

February 23, 2004.

Sir:

Applicants direct the attention of the Patent and Trademark Office to the documents listed on the attached Form PTO-1449. A copy of each listed document is attached.

No fee or certification is required in connection with this Information Disclosure Statement, because it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

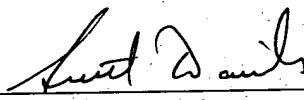
The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. Applicants respectfully request that the information be expressly considered during the prosecution of this application and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

Application Serial No.: 10/731,163
Information Disclosure Statement filed February 23, 2004

The Commissioner is authorized to charge our Deposit Account No. 50-2866 for any fee that is required to effect consideration of this statement.

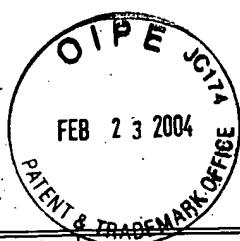
Respectfully submitted,

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Attachments: PTO-1449 w/18 references

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INFORMATION DISCLOSURE CITATION PTO-1449	Atty. Docket No. 032154	Serial No. 10/731,163
	Applicant(s): Mamoru NAKASUJI et al.	
	Filing Date: December 10, 2003	Group Art Unit: Unassigned

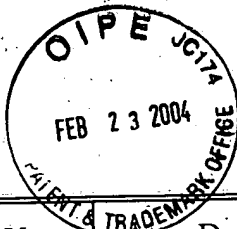
U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
	AA	3,777,211	Kuijpers	12/4/73	315	31 R	8/25/71
	AB	4,363,995	Takigawa et al.	12/14/82	313	346 R	9/23/80
	AC	4,743,766	Nakasuji et al.	5/10/88	250	492.2	7/17/87
	AD	5,854,490	Ooaeh et al.	12/29/98	250	492.23	7/16/96
	AE	6,087,667	Nakasuji et al.	7/11/00	250	492.2	9/30/97
	AF	6,107,636	Muraki	8/22/00	250	492.2	5/21/98

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation (Yes or No)
	AG	64-084629	3/29/89	Japan	Abstract
	AH	WO 01/09922 A1	2/8/01	WIPO	
	AI	WO 02/01596 A1	1/3/02	WIPO	Corresponds to U.S. Appln. No. 09/891,511
	AJ	WO 02/01597 A1	1/3/02	WIPO	Corresponds to U.S. Appln. No. 09/891,611
	AK	WO 02/37527	5/10/02	WIPO	Corresponds to U.S. Appln. No. 09/985,323
	AL	WO 02/13227	2/14/02	WIPO	Corresponds to U.S. Appln. No. 09/891,612
	AM	WO 02/40980	5/23/02	WIPO	Corresponds to U.S. Appln. No. 09/985,331

Examiner	Date Considered
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OTHER DOCUMENTS

_____	AN	"The Detection and Measurement of Infra-Red Radiation" Smith et al.; 1968
_____	AO	"Promising cathode materials for high brightness electron beams" J. Vac. Sci. Technol., B2(1), (1984), Shigeaki Zaima, et al.; pp73-79
_____	AP	"Reduction Mechanism for Spherical and Chromatic Aberration Coefficients of Magnetic Lens and Retarding Electric Fields" JPN. J. Appl. Phys. Vol. 32 (1993) M. Nakasuj, et al.; pp4819-4825
_____	AQ	"Advance deflection concept for large area, high resolution e-beam lithography" J. Vac. Sci. Technol., 19(4) (1981), H.C. Pfeiffer, et al.; pp1058-10-63
_____	AR	Electronic Beam Testing Handbook Vol. 7 pp64-65, 3.3.A Shot Noise (with a partial English translation within brackets)
Examiner _____ Date Considered _____		